	0.00	7.60	1	7.60	0.60	0.60	0.60	0.69	3.15	
	7.60	31.20	1	23.60	0.60	0.60	0.60	0.70	9.91	
	31.20	42.20	1	11.00	0.60	0.60	0.60	0.62	4.09	
Cross Road (W0092) RHS										
	0.00	7.60	1	7.60	0.60	0.60	0.60	0.66	3.01	
	7.60	18.20	1	10.60	0.60	0.60	0.60	0.68	4.32	
	18.20	31.20	1	13.00	0.60	0.60	0.60	0.65	5.07	
	31.20	38.90	1	7.70						cross road
	38.90	45.40	1	6.50	0.60	0.60	0.60	0.69	2.69	
2nd Main Road (W0096) LHS From Chaitanya Health Care										
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.62	11.16	
	30.00	40.00	1	10.00						cross road
	40.00	50.00	1	10.00	0.60	0.60	0.60	0.68	4.08	
	50.00	60.40	1	10.40	0.60	0.60	0.60	0.69	4.31	
	60.40	66.40	1	6.00	0.60	0.60	0.60	0.70	2.52	
	66.40	74.60	1	8.20	0.60	0.60	0.60	0.62	3.05	
2nd Main Road (W0096) RHS From Chaitanya Health Care										
	0.00	14.70	1	14.70	0.60	0.60	0.60	0.66	5.82	
	14.70	30.60	1	15.90	0.60	0.60	0.60	0.68	6.49	
	30.60	40.00	1	9.40						cross road
	40.00	44.70	1	4.70	0.60	0.60	0.60	0.68	1.92	
	44.70	46.80	1	2.10	0.60	0.60	0.60	0.69	0.87	
	46.80	74.60	1	27.80	0.60	0.60	0.60	0.70	11.68	
3rd Cross Road (W0131) LHS From Hopcoms opposite Road										
	0.00	17.80	1	17.80	0.60	0.60	0.60	0.65	6.94	
	17.80	26.70	1	8.90	0.60	0.60	0.60	0.66	3.52	
	26.70	30.00	1	3.30	0.60	0.60	0.60	0.65	1.29	
	30.00	38.70	1	8.70	0.60	0.60	0.60	0.68	3.55	
	38.70	68.70	1	30.00	0.60	0.60	0.60	0.69	12.42	
	68.70	75.20	1	6.50	0.60	0.60	0.60	0.70	2.73	
	75.20	88.80	1	13.60						no wor
3rd Cross Road (W0131) RHS From Hopcoms opposite Road										
	0.00	20.80	1	20.80	0.60	0.60	0.60	0.66	8.24	
	20.80	26.70	1	5.90	0.60	0.60	0.60	0.68	2.41	
	26.70	30.00	1	3.30	0.60	0.60	0.60	0.65	1.29	
	30.00	36.00	1	6.00	0.60	0.60	0.60	0.68	2.45	
	36.00	38.70	1	2.70	0.60	0.60	0.60	0.69	1.12	
	38.70	63.40	1	24.70	0.60	0.60	0.60	0.70	10.37	
	63.40	67.00	1	3.60						no wor
	67.00	88.80	1	21.80						no wor
3rd Cross Road (W0131) LHS From Hopcoms Road										

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	0.00	10.30	1	10.30	0.60	0.60	0.60	0.68	4.20	
	10.30	40.30	1	30.00	0.60	0.60	0.60	0.65	11.70	
	40.30	41.90	1	1.60	0.60	0.60	0.60	0.68	0.65	
	41.90	46.60	1	4.70	0.60	0.60	0.60	0.69	1.95	
	46.60	47.50	1	0.90	0.60	0.60	0.60	0.70	0.38	
	47.50	55.80	1	8.30	0.60	0.60	0.60	0.62	3.09	
	55.80	60.00	1	4.20	0.60	0.60	0.60	0.65	1.64	
	60.00	68.30	1	8.30	0.60	0.60	0.60	0.66	3.29	
	68.30	87.70	1	19.40	0.60	0.60	0.60	0.68	7.92	
	87.70	94.10	1	6.40	0.60	0.60	0.60	0.65	2.50	
	94.10	122.70	1	28.60	0.60	0.60	0.60	0.68	11.67	
3rd Cross Road (W0131) RHS From Hopcoms Road										
	0.00	30.00	1	30.00						no war Par
	30.00	46.50	1	16.50						no war Par
	46.50	68.30	1	21.80	0.60	0.60	0.60	0.65	8.50	
	68.30	84.50	1	16.20	0.60	0.60	0.60	0.66	6.42	ramp
	84.50	88.00	1	3.50	0.60	0.60	0.60	0.68	1.43	ramp
	88.00	118.00	1	30.00	0.60	0.60	0.60	0.65	11.70	
	118.00	122.70	1	4.70	0.60	0.60	0.60	0.68	1.92	
4th Cross Road (W0145) LHS From Samvida Niliya #31										
	0.00	5.70	1	5.70	0.60	0.60	0.60	0.70	2.39	
	5.70	11.50	1	5.80	0.60	0.60	0.60	0.62	2.16	
	11.50	15.60	1	4.10	0.60	0.60	0.60	0.65	1.60	
	15.60	17.30	1	1.70	0.60	0.60	0.60	0.66	0.67	
	17.30	20.60	1	3.30	0.60	0.60	0.60	0.68	1.35	
	20.60	35.00	1	14.40	0.60	0.60	0.60	0.65	5.62	
	35.00	52.70	1	17.70	0.60	0.60	0.60	0.68	7.22	
	52.70	60.00	1	7.30	0.60	0.60	0.60	0.69	3.02	
4th Cross Road (W0145) RHS From Samvida Niliya #31										
	0.00	20.60	1	20.60	0.60	0.60	0.60	0.62	7.66	
	20.60	27.90	1	7.30	0.60	0.60	0.60	0.65	2.85	
	27.90	30.60	1	2.70	0.60	0.60	0.60	0.66	1.07	
	30.60	43.30	1	12.70	0.60	0.60	0.60	0.68	5.18	
	43.30	49.00	1	5.70	0.60	0.60	0.60	0.65	2.22	
4th Cross Road (W0145) LHS From #132										
	0.00	10.30	1	10.30	0.60	0.60	0.60	0.69	4.26	
	10.30	18.70	1	8.40	0.60	0.60	0.60	0.70	3.53	
	18.70	30.50	1	11.80	0.60	0.60	0.60	0.62	4.39	
	30.50	38.00	1	7.50	0.60	0.60	0.60	0.65	2.93	
	38.00	56.40	1	18.40	0.60	0.60	0.60	0.66	7.29	
	56.40	75.30	1	18.90	0.60	0.60	0.60	0.68	7.71	
	75.30	78.00	1	2.70	0.60	0.60	0.60	0.65	1.05	
	78.00	84.30	1	6.30	0.60	0.60	0.60	0.68	2.57	

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	84.30	89.60	1	5.30	0.60	0.60	0.60	0.69	2.19	
	89.60	94.10	1	4.50	0.60	0.60	0.60	0.70	1.89	
	94.10	116.00	1	21.90	0.60	0.60	0.60	0.62	8.15	
4th Cross Road (W0145) RHS From #132										
	0.00	10.30	1	10.30	0.60	0.60	0.60	0.66	4.08	
	10.30	18.70	1	8.40	0.60	0.60	0.60	0.68	3.43	
	18.70	30.50	1	11.80	0.60	0.60	0.60	0.65	4.60	
	30.50	38.00	1	7.50	0.60	0.60	0.60	0.68	3.06	
	38.00	56.40	1	18.40	0.60	0.60	0.60	0.69	7.62	
	56.40	75.30	1	18.90	0.60	0.60	0.60	0.70	7.94	
	75.30	78.00	1	2.70	0.60	0.60	0.60	0.62	1.00	
	78.00	84.30	1	6.30	0.60	0.60	0.60	0.65	2.46	
	84.30	89.60	1	5.30	0.60	0.60	0.60	0.66	2.10	
	89.60	94.10	1	4.50	0.60	0.60	0.60	0.68	1.84	
	94.10	116.00	1	21.90	0.60	0.60	0.60	0.65	8.54	
5th Cross Road (W0147) LHS From Biji Villa										
	0.00	5.60	1	5.60	0.60	0.60	0.60	0.69	2.32	ramp
	5.60	20.00	1	14.40	0.60	0.60	0.60	0.70	6.05	
	20.00	22.50	1	2.50	0.60	0.60	0.60	0.62	0.93	
	22.50	26.10	1	3.60	0.60	0.60	0.60	0.65	1.40	
5th Cross Road (W0147) RHS From Biji Villa										
	0.00	24.20	1	24.20	0.60	0.60	0.60	0.68	9.87	
5th Cross Road (W0147) LHS From #153										
	0.00	26.70	1	26.70	0.60	0.60	0.60	0.68	10.89	
	26.70	32.80	1	6.10						
	32.80	45.60	1	12.80	0.60	0.60	0.60	0.70	5.38	cross road
	45.60	49.10	1	3.50	0.60	0.60	0.60	0.62	1.30	
	49.10	55.30	1	6.20	0.60	0.60	0.60	0.65	2.42	
	55.30	59.00	1	3.70	0.60	0.60	0.60	0.66	1.47	
	59.00	65.30	1	6.30						
	65.30	85.70	1	20.40	0.60	0.60	0.60	0.65	7.96	cross road
	85.70	91.30	1	5.60	0.60	0.60	0.60	0.68	2.28	ramp
	91.30	97.60	1	6.30						cross road
	97.60	102.80	1	5.20	0.60	0.60	0.60	0.70	2.18	
	102.80	107.50	1	4.70	0.60	0.60	0.60	0.62	1.75	
	107.50	118.00	1	10.50	0.60	0.60	0.60	0.65	4.10	
5th Cross Road (W0147) RHS From #153										
	0.00	10.00	1	10.00	0.60	0.60	0.60	0.68	4.08	
	10.00	19.80	1	9.80	0.60	0.60	0.60	0.65	3.82	
	19.80	44.00	1	24.20	0.60	0.60	0.60	0.68	9.87	
	44.00	47.70	1	3.70	0.60	0.60	0.60	0.69	1.53	ramp
	47.70	55.30	1	7.60	0.60	0.60	0.60	0.70	3.19	
	55.30	66.50	1	11.20	0.60	0.60	0.60	0.62	4.17	

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	66.50	96.50	1	30.00	0.60	0.60	0.60	0.65	11.70	
	96.50	107.00	1	10.50	0.60	0.60	0.60	0.66	4.16	
5th A Cross Road LHS										
	0.00	2.20	1	2.20	0.60	0.60	0.60	0.65	0.86	
	2.20	11.20	1	9.00	0.60	0.60	0.60	0.68	3.67	
	11.20	21.80	1	10.60	0.60	0.60	0.60	0.69	4.39	
	21.80	36.30	1	14.50	0.60	0.60	0.60	0.70	6.09	
5th A Cross Road RHS										
	0.00	3.40	1	3.40	0.60	0.60	0.60	0.65	1.33	
	3.40	5.20	1	1.80	0.60	0.60	0.60	0.66	0.71	
	5.20	8.50	1	3.30	0.60	0.60	0.60	0.68	1.35	
	8.50	27.30	1	18.80	0.60	0.60	0.60	0.65	7.33	
5th B Cross Road LHS										
	0.00	11.30	1	11.30	0.60	0.60	0.60	0.69	4.68	
	11.30	13.50	1	2.20	0.60	0.60	0.60	0.70	0.92	
	13.50	21.30	1	7.80	0.60	0.60	0.60	0.62	2.90	
	21.30	23.30	1	2.00	0.60	0.60	0.60	0.65	0.78	
	23.30	27.30	1	4.00	0.60	0.60	0.60	0.66	1.58	
	27.30	43.40	1	16.10	0.60	0.60	0.60	0.68	6.57	
5th B Cross Road RHS										
	0.00	6.90	1	6.90	0.60	0.60	0.60	0.68	2.82	
	6.90	8.90	1	2.00	0.60	0.60	0.60	0.69	0.83	
	8.90	13.50	1	4.60	0.60	0.60	0.60	0.70	1.93	
	13.50	15.50	1	2.00	0.60	0.60	0.60	0.62	0.74	
	15.50	23.30	1	7.80	0.60	0.60	0.60	0.65	3.04	
	23.30	43.40	1	20.10	0.60	0.60	0.60	0.66	7.96	
Muniyappa Compound Road (W0094) LHS										
	0.00	18.50	1	18.50	0.60	0.60	0.60	0.65	7.22	
	18.50	28.90	1	10.40	0.60	0.60	0.60	0.68	4.24	
	28.90	37.70	1	8.80	0.60	0.60	0.60	0.69	3.64	
	37.70	47.00	1	9.30						cross road
	47.00	60.70	1	13.70	0.60	0.60	0.60	0.62	5.10	
	60.70	63.40	1	2.70	0.60	0.60	0.60	0.65	1.05	
	63.40	74.40	1	11.00	0.60	0.60	0.60	0.66	4.36	
	74.40	81.80	1	7.40						cross road
	81.80	82.80	1	1.00	0.60	0.60	0.60	0.65	0.39	
	82.80	89.10	1	6.30	0.60	0.60	0.60	0.68	2.57	
	89.10	91.00	1	1.90	0.60	0.60	0.60	0.69	0.79	
	91.00	103.50	1	12.50	0.60	0.60	0.60	0.70	5.25	
	103.50	104.80	1	1.30	0.60	0.60	0.60	0.62	0.48	
	104.80	110.70	1	5.90	0.60	0.60	0.60	0.65	2.30	
Muniyappa Compound Road (W0094) RHS										

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	0.00	22.20	1	22.20	0.60	0.60	0.60	0.68	9.06	
	22.20	33.00	1	10.80	0.60	0.60	0.60	0.65	4.21	
	33.00	37.70	1	4.70	0.60	0.60	0.60	0.68	1.92	
	37.70	64.80	1	27.10	0.60	0.60	0.60	0.69	11.22	
	64.80	70.40	1	5.60	0.60	0.60	0.60	0.70	2.35	
	70.40	95.70	1	25.30	0.60	0.60	0.60	0.62	9.41	
	95.70	101.10	1	5.40	0.60	0.60	0.60	0.65	2.11	
	101.10	104.30	1	3.20	0.60	0.60	0.60	0.66	1.27	
	104.30	115.40	1	11.10	0.60	0.60	0.60	0.68	4.53	
	115.40	117.00	1	1.60	0.60	0.60	0.60	0.65	0.62	
5th Cross Road (W0104) LHS										
	0.00	7.50	1	7.50						cross road
	7.50	29.70	1	22.20	0.60	0.60	0.60	0.70	9.32	
	29.70	39.40	1	9.70	0.60	0.60	0.60	0.62	3.61	
	39.40	57.10	1	17.70	0.60	0.60	0.60	0.65	6.90	
5th Cross Road (W0104) RHS										
	0.00	17.00	1	17.00	0.60	0.60	0.60	0.68	6.94	
	17.00	47.00	1	30.00	0.60	0.60	0.60	0.69	12.42	
	47.00	48.50	1	1.50	0.60	0.60	0.60	0.70	0.63	
	48.50	52.10	1	3.60	0.60	0.60	0.60	0.62	1.34	
	52.10	54.60	1	2.50	0.60	0.60	0.60	0.65	0.98	
	54.60	57.10	1	2.50	0.60	0.60	0.60	0.66	0.99	
Sundar Nagara Main Road From MDNK Enterprises LHS										
	0.00	22.00	1	22.00	0.60	0.60	0.60	0.65	8.58	
	22.00	27.50	1	5.50	0.60	0.60	0.60	0.68	2.24	
	27.50	32.20	1	4.70	0.60	0.60	0.60	0.69	1.95	
	32.20	38.60	1	6.40						cross road
	38.60	51.30	1	12.70	0.60	0.60	0.60	0.62	4.72	
	51.30	55.50	1	4.20	0.60	0.60	0.60	0.65	1.64	
	55.50	67.40	1	11.90	0.60	0.60	0.60	0.66	4.71	
	67.40	70.50	1	3.10	0.60	0.60	0.60	0.68	1.26	
	70.50	71.80	1	1.30	0.60	0.60	0.60	0.65	0.51	
	71.80	78.70	1	6.90						cross road
	78.70	80.40	1	1.70	0.60	0.60	0.60	0.69	0.70	
	80.40	94.00	1	13.60	0.60	0.60	0.60	0.70	5.71	
	94.00	97.80	1	3.80	0.60	0.60	0.60	0.62	1.41	
	97.80	101.30	1	3.50	0.60	0.60	0.60	0.65	1.37	
	101.30	105.50	1	4.20	0.60	0.60	0.60	0.66	1.66	
	105.50	117.80	1	12.30	0.60	0.60	0.60	0.68	5.02	
	117.80	125.00	1	7.20						cross road
	125.00	133.30	1	8.30	0.60	0.60	0.60	0.68	3.39	
	133.30	139.80	1	6.50	0.60	0.60	0.60	0.69	2.69	
	139.80	152.60	1	12.80	0.60	0.60	0.60	0.70	5.38	
	152.60	155.00	1	2.40	0.60	0.60	0.60	0.62	0.89	
	155.00	161.00	1	6.00						cross road

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	161.00	169.70	1	8.70	0.60	0.60	0.60	0.66	3.45	
	169.70	179.40	1	9.70	0.60	0.60	0.60	0.68	3.96	
	179.40	188.70	1	9.30	0.60	0.60	0.60	0.65	3.63	
	188.70	190.60	1	1.90	0.60	0.60	0.60	0.68	0.78	
	190.60	196.00	1	5.40						cross road
	196.00	202.40	1	6.40	0.60	0.60	0.60	0.70	2.69	
	202.40	205.60	1	3.20	0.60	0.60	0.60	0.62	1.19	
	205.60	219.00	1	13.40	0.60	0.60	0.60	0.65	5.23	
Sundar Nagara Main Road From MDNK Enterprises RHS										
	0.00	24.70	1	24.70	0.60	0.60	0.60	0.68	10.08	
	24.70	26.60	1	1.90	0.60	0.60	0.60	0.65	0.74	
	26.60	32.20	1	5.60	0.60	0.60	0.60	0.68	2.28	
	32.20	38.60	1	6.40						cross road
	38.60	51.30	1	12.70	0.60	0.60	0.60	0.70	5.33	
	51.30	57.80	1	6.50	0.60	0.60	0.60	0.65	2.54	
	57.80	64.70	1	6.90	0.60	0.60	0.60	0.68	2.82	
	64.70	67.10	1	2.40	0.60	0.60	0.60	0.69	0.99	
	67.10	71.80	1	4.70	0.60	0.60	0.60	0.70	1.97	
	71.80	78.70	1	6.90						cross road
	78.70	88.70	1	10.00						
	88.70	117.80	1	29.10						
	117.80	125.00	1	7.20						cross road
	125.00	136.60	1	11.60	0.60	0.60	0.60	0.65	4.52	
	136.60	139.80	1	3.20	0.60	0.60	0.60	0.68	1.31	
	139.80	152.60	1	12.80	0.60	0.60	0.60	0.69	5.30	
	152.60	155.00	1	2.40	0.60	0.60	0.60	0.70	1.01	
	155.00	161.00	1	6.00						cross road
	161.00	167.20	1	6.20	0.60	0.60	0.60	0.65	2.42	
	167.20	168.50	1	1.30	0.60	0.60	0.60	0.66	0.51	
	168.50	186.60	1	18.10	0.60	0.60	0.60	0.68	7.38	
	186.60	190.60	1	4.00	0.60	0.60	0.60	0.67	1.61	
	190.60	196.00	1	5.40						cross road
	196.00	212.50	1	16.50	0.60	0.60	0.60	0.65	6.44	
	212.50	218.40	1	5.90	0.60	0.60	0.60	0.66	2.34	
	218.40	222.60	1	4.20	0.60	0.60	0.60	0.68	1.71	
	222.60	225.80	1	3.20	0.60	0.60	0.60	0.67	1.29	
R/R From Anugraha Nilaya(LHS)										
	0.00	2.70	1	2.70	0.60	0.60	0.60	0.65	1.05	
	2.70	6.20	1	3.50	0.60	0.60	0.60	0.66	1.39	
	6.20	20.00	1	13.80	0.60	0.60	0.60	0.68	5.63	
	20.00	25.70	1	5.70	0.60	0.60	0.60	0.65	2.22	
	25.70	38.70	1	13.00	0.60	0.60	0.60	0.66	5.15	
	38.70	43.30	1	4.60	0.60	0.60	0.60	0.68	1.88	Ramp
	43.30	73.00	1	29.70	0.60	0.60	0.60	0.67	11.94	
	73.00	75.00	1	2.00						Culvert
	75.00	86.80	1	11.80	0.60	0.60	0.60	0.65	4.60	Ramp
	86.80	99.70	1	12.90	0.60	0.60	0.60	0.66	5.11	
	99.70	129.60	1	29.90	0.60	0.60	0.60	0.68	12.20	

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R/R From Anugraha Nilaya(RHS)										
	0.00	27.00	1	27.00						
	27.00	57.00	1	30.00						NW
	57.00	87.00	1	30.00	0.60	0.60	0.60	0.65	11.70	
	87.00	117.00	1	30.00	0.60	0.60	0.60	0.66	11.88	
	117.00	129.60	1	12.60	0.60	0.60	0.60	0.68	12.24	
R/R 3rd Main Road Sundarnagara (LHS)					0.60	0.60	0.60	0.68	5.14	
	0.00	22.60	1	22.60						
	22.60	27.20	1	4.60	0.60	0.60	0.60	0.65	8.81	
	27.20	48.70	1	21.50	0.60	0.60	0.60	0.66	1.82	Ramp
R/R 3rd Main Road Sundarnagara (RHS)					0.60	0.60	0.60	0.68	8.77	
	0.00	3.90	1	3.90						
	3.90	10.80	1	6.90						NW
	10.80	31.50	1	20.70	0.60	0.60	0.60	0.68	2.82	
	31.50	48.70	1	17.20	0.60	0.60	0.60	0.68	8.45	
WO421 1st B Main Road From Udupi Juice Café LHS										
	0.00	21.40	1	21.40						NW
	21.40	51.40	1	30.00						
	51.40	79.00	1	27.60	0.60	0.60	0.60	0.68	12.24	NW
WO421 1st B Main Road From Udupi Juice Café RHS					0.60	0.60	0.60	0.68	11.26	
	0.00	10.20	1	10.20						
	10.20	40.20	1	30.00						NW
	40.20	70.20	1	30.00	0.60	0.60	0.60	0.68	12.24	
	70.20	78.90	1	8.70	0.60	0.60	0.60	0.68	12.24	
WO419 1st A Main Road From Mathru Si Nilaya LHS					0.60	0.60	0.60	0.68	3.55	
	0.00	30.00	1	30.00						
	30.00	60.00	1	30.00	0.60	0.60	0.60	0.68	12.24	
	60.00	90.00	1	30.00	0.60	0.60	0.60	0.68	12.24	
	90.00	112.40	1	22.40	0.60	0.60	0.60	0.68	12.24	
WO419 1st A Main Road From Mathru Si Nilaya RHS					0.60	0.60	0.60	0.68	9.14	
	0.00	30.00	1	30.00						
	30.00	60.00	1	30.00	0.60	0.60	0.60	0.65	11.70	
	60.00	90.00	1	30.00	0.60	0.60	0.60	0.66	11.88	
	90.00	112.40	1	22.40	0.60	0.60	0.60	0.68	12.24	
WO417 1st Main Road From Nandini Dairy LHS					0.60	0.60	0.60	0.65	8.74	
	0.00	30.00	1	30.00						
	30.00	60.00	1	30.00	0.60	0.60	0.60	0.65	11.70	
	60.00	90.00	1	30.00	0.60	0.60	0.60	0.65	11.70	
	90.00	120.00	1	30.00	0.60	0.60	0.60	0.66	11.88	
	120.00	137.50	1	17.50	0.60	0.60	0.60	0.68	12.24	
WO417 1st Main Road From Nandini Dairy RHS					0.60	0.60	0.60	0.65	6.83	
	0.00	30.00	1	30.00						
	30.00	60.00	1	30.00	0.60	0.60	0.60	0.65	11.70	
	60.00	90.00	1	30.00	0.60	0.60	0.60	0.66	11.88	
	90.00	113.20	1	23.20	0.60	0.60	0.60	0.68	12.24	
	113.20	123.00	1	9.80	0.60	0.60	0.60	0.65	9.05	
	123.00	137.50	1	14.50						NW
WO415 From #20 Srimathi Panchama LHS					0.60	0.60	0.60	0.65	5.66	
	0.00	30.00	1	30.00						
	30.00	38.00	1	8.00	0.60	0.60	0.60	0.68	12.24	
	38.00	47.00	1	9.00	0.60	0.60	0.60	0.63	3.02	
					0.60	0.60	0.60	0.65	3.51	

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	47.00	57.00	1	10.00	0.60	0.60	0.60	0.65	3.90	
	57.00	62.00	1	5.00	0.60	0.60	0.60	0.68	2.04	
	62.00	67.00	1	5.00	0.60	0.60	0.60	0.63	1.89	
	67.00	69.30	1	2.30	0.60	0.60	0.60	0.65	0.90	Ramp
	69.30	80.00	1	10.70	0.60	0.60	0.60	0.65	4.17	
	80.00	86.00	1	6.00	0.60	0.60	0.60	0.65	2.34	
	86.00	90.00	1	4.00	0.60	0.60	0.60	0.68	1.63	
	90.00	98.80	1	8.80	0.60	0.60	0.60	0.68	3.59	
	98.80	125.80	1	27.00	0.60	0.60	0.60	0.63	10.21	
	125.80	149.50	1	23.70	0.60	0.60	0.60	0.65	9.24	
	149.50	152.30	1	2.80	0.60	0.60	0.60	0.65	1.09	
WO415 From #20 Srimathi Panchama RHS										
	0.00	14.80	1	14.80	0.60	0.60	0.60	0.68	6.04	
	14.80	44.80	1	30.00	0.60	0.60	0.60	0.68	12.24	
	44.80	74.80	1	30.00	0.60	0.60	0.60	0.63	11.34	
	74.80	102.70	1	27.90	0.60	0.60	0.60	0.68	11.38	
	102.70	132.70	1	30.00	0.60	0.60	0.60	0.63	11.34	
	132.70	134.30	1	1.60	0.60	0.60	0.60	0.65	0.62	
	134.30	152.30	1	18.00	0.60	0.60	0.60	0.65	7.02	
WO413 From Pattabheemarama Temple 3rd main road LHS										
	0.00	20.00	1	20.00						NW
	20.00	25.00	1	5.00						CR
	25.00	26.50	1	1.50	0.60	0.60	0.60	0.63	0.57	
	26.50	56.50	1	30.00	0.60	0.60	0.60	0.68	12.24	
	56.50	58.00	1	1.50	0.60	0.60	0.60	0.63	0.57	
	58.00	74.40	1	16.40	0.60	0.60	0.60	0.65	6.40	
	74.40	78.00	1	3.60						CR
	78.00	85.00	1	7.00	0.60	0.60	0.60	0.68	2.86	
	85.00	95.00	1	10.00						NS,NK
	95.00	114.60	1	19.60	0.60	0.60	0.60	0.70	8.23	
	114.60	122.70	1	8.10	0.60	0.60	0.60	0.69	3.35	Ramp
	122.70	143.70	1	21.00	0.60	0.60	0.60	0.63	7.94	
	143.70	161.00	1	17.30	0.60	0.60	0.60	0.65	6.75	
WO413 From Pattabheemarama Temple 3rd main road RHS										
	0.00	8.00	1	8.00	0.60	0.60	0.60	0.68	3.26	
	8.00	10.40	1	2.40	0.60	0.60	0.60	0.63	0.91	
	10.40	40.40	1	30.00	0.60	0.60	0.60	0.68	12.24	
	40.40	70.40	1	30.00	0.60	0.60	0.60	0.70	12.60	
	70.40	86.00	1	15.60	0.60	0.60	0.60	0.70	6.55	
	86.00	88.00	1	2.00	0.60	0.60	0.60	0.69	0.83	
	88.00	118.00	1	30.00	0.60	0.60	0.60	0.63	11.34	
	118.00	126.00	1	8.00	0.60	0.60	0.60	0.65	3.12	
	126.00	135.30	1	9.30						NW
	135.30	148.80	1	13.50	0.60	0.60	0.60	0.70	5.67	
	148.80	161.00	1	12.20	0.60	0.60	0.60	0.69	5.05	
Cross Road LHS										
	0.00	12.70	1	12.70	0.60	0.60	0.60	0.70	5.33	
	12.70	17.80	1	5.10	0.60	0.60	0.60	0.69	2.11	
Cross Road RHS										
	0.00	9.60	1	9.60						NW
	9.60	14.40	1	4.80	0.60	0.60	0.60	0.65	1.87	
	14.40	21.00	1	6.60						

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Cross Road From Srinivasa Nilaya LHS											
	0.00	24.20	1	24.20	0.60	0.60	0.60	0.72	10.45		
	24.20	29.00	1	4.80							
	29.00	34.00	1	5.00	0.60	0.60	0.60	0.69	2.07		
Cross Road From Manu Provision Store Opp LHS											
	0.00	23.40	1	23.40	0.60	0.60	0.60	0.70	9.83		
	23.40	27.80	1	4.40						CR	
	27.80	57.80	1	30.00	0.60	0.60	0.60	0.68	12.24		
	57.80	81.40	1	23.60	0.60	0.60	0.60	0.70	9.91		
	81.40	84.00	1	2.60						CR	
	84.00	112.70	1	28.70	0.60	0.60	0.60	0.68	11.71		
	112.70	117.70	1	5.00						CR	
	117.70	143.60	1	25.90	0.60	0.60	0.60	0.66	10.26		
	143.60	148.60	1	5.00						CR	
	148.60	169.00	1	20.40	0.60	0.60	0.60	0.69	8.45		
WO413 From Pattabheemarama Temple 3rd main road RHS											
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.69	12.42	BS NK	
	30.00	58.30	1	28.30	0.60	0.60	0.60	0.72	12.23		
	58.30	60.50	1	2.20						CR	
	60.50	90.50	1	30.00	0.60	0.60	0.60	0.68	12.24		
	90.50	112.70	1	22.20	0.60	0.60	0.60	0.70	9.32		
	112.70	117.70	1	5.00						CR	
	117.70	143.60	1	25.90	0.60	0.60	0.60	0.68	10.57		
	143.60	148.60	1	5.00						CR	
	148.60	161.60	1	13.00	0.60	0.60	0.60	0.70	5.46		
	New Drain										
	8th Cross Road Brudanavana nagar LHS										
	0.00	30.00	1	30.00	1.10	1.10	1.10	1.00	33.00		
	30.00	60.00	1	30.00	1.10	1.10	1.10	1.00	33.00		
	60.00	90.00	1	30.00	1.10	1.10	1.10	1.00	33.00		
	90.00	91.00	1	1.00	1.10	1.10	1.10	1.00	1.10		
	97.00	123.80	1	26.80	1.10	1.10	1.10	1.00	29.48		
	129.10	151.80	1	22.70	1.10	1.10	1.10	1.00	24.97		
	158.20	181.00	1	22.80	1.10	1.10	1.10	1.00	25.08		
	188.00	218.00	1	30.00	1.10	1.10	1.10	1.00	33.00		
	225.00	242.80	1	17.80	1.10	1.10	1.10	1.00	19.58		
	247.00	261.50	1	14.50	1.10	1.10	1.10	1.00	15.95		
	267.00	297.00	1	30.00	1.10	1.10	1.10	1.00	33.00		
	297.00	308.60	1	11.60	1.10	1.10	1.10	1.00	12.76		
	315.50	345.50	1	30.00	1.10	1.10	1.10	1.00	33.00		
	345.50	347.60	1	2.10	1.10	1.10	1.10	1.00	2.31		
	355.70	385.70	1	30.00	1.10	1.10	1.10	1.00	33.00		
	385.70	387.00	1	1.30	1.10	1.10	1.10	1.00	1.43		
	395.00	404.00	1	9.00	1.10	1.10	1.10	1.00	9.90		
	8th Cross Road Brudanavana nagar RHS										
	0.00	30.00	1	30.00	1.10	1.10	1.10	1.00	33.00		
	30.00	60.00	1	30.00	1.10	1.10	1.10	1.00	33.00		
	60.00	90.00	1	30.00	1.10	1.10	1.10	1.00	33.00		
	96.00	118.10	1	22.10	1.10	1.10	1.10	1.00	24.31		
	123.80	153.80	1	30.00	1.10	1.10	1.10	1.00	33.00		
	153.80	158.20	1	4.40	1.10	1.10	1.10	1.00	4.84		
	158.20	188.20	1	30.00	1.10	1.10	1.10	1.00	33.00		
	188.20	201.00	1	12.80	1.10	1.10	1.10	1.00	14.08		

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	209.00	239.00	1	30.00	1.10	1.10	1.10	1.00	33.00			
	239.00	261.50	1	22.50	1.10	1.10	1.10	1.00	24.75			
	267.00	297.00	1	30.00	1.10	1.10	1.10	1.00	33.00			
	297.00	308.60	1	11.60	1.10	1.10	1.10	1.00	12.76			
	315.50	345.50	1	30.00	1.10	1.10	1.10	1.00	33.00			
	345.50	347.60	1	2.10	1.10	1.10	1.10	1.00	2.31			
	355.70	385.70	1	30.00	1.10	1.10	1.10	1.00	33.00			
	385.70	404.60	1	18.90	1.10	1.10	1.10	1.00	20.79			
									Total Qty Work Done	2790.25	Cum	
									Qty Payable in this bill	2790.25	Cum	

Contractor Representative

04/01/2024

Assistant Engineer
Ward No 17
BBMP

SAPIENCE CONSULTANTS BANGALORE

Consultant Representative

04/01/2024

Asst. Executive Engineer
Yashwanthapura Sub-Division
BBMP

Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name Of Work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Measurement Sheet

2nd And Part Bill

Item No: 3 — 08/01/2021

Item Name: Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications Complete as per the direction of Engineer in charge with all lead and lift

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Bed Concrete									
	New Drain									
	8th Cross Road Brudanavana nagar LHS									
	0.00	30.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	30.00	60.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	60.00	90.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	90.00	91.00	1	1.00	1.10	1.10	1.10	0.15	0.17	
	97.00	123.80	1	26.80	1.10	1.10	1.10	0.15	4.42	
	129.10	151.80	1	22.70	1.10	1.10	1.10	0.15	3.75	
	158.20	181.00	1	22.80	1.10	1.10	1.10	0.15	3.76	
	188.00	218.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	225.00	242.80	1	17.80	1.10	1.10	1.10	0.15	2.94	
	247.00	261.50	1	14.50	1.10	1.10	1.10	0.15	2.39	
	267.00	297.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	297.00	308.60	1	11.60	1.10	1.10	1.10	0.15	1.91	
	315.50	345.50	1	30.00	1.10	1.10	1.10	0.15	4.95	
	345.50	347.60	1	2.10	1.10	1.10	1.10	0.15	0.35	
	355.70	385.70	1	30.00	1.10	1.10	1.10	0.15	4.95	
	385.70	387.00	1	1.30	1.10	1.10	1.10	0.15	0.21	
	395.00	404.00	1	9.00	1.10	1.10	1.10	0.15	1.49	
	8th Cross Road Brudanavana nagar RHS									
	0.00	30.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	30.00	60.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	60.00	90.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	96.00	118.10	1	22.10	1.10	1.10	1.10	0.15	3.65	
	123.80	153.80	1	30.00	1.10	1.10	1.10	0.15	4.95	
	153.80	158.20	1	4.40	1.10	1.10	1.10	0.15	0.73	
	158.20	188.20	1	30.00	1.10	1.10	1.10	0.15	4.95	
	188.20	201.00	1	12.80	1.10	1.10	1.10	0.15	2.11	
	209.00	239.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	239.00	261.50	1	22.50	1.10	1.10	1.10	0.15	3.71	
	267.00	297.00	1	30.00	1.10	1.10	1.10	0.15	4.95	
	297.00	308.60	1	11.60	1.10	1.10	1.10	0.15	1.91	
	315.50	345.50	1	30.00	1.10	1.10	1.10	0.15	4.95	
	345.50	347.60	1	2.10	1.10	1.10	1.10	0.15	0.35	
	355.70	385.70	1	30.00	1.10	1.10	1.10	0.15	4.95	

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	385.70	404.60	1	18.90	1.10	1.10	1.10	0.15	3.12	
								Total Qty Work Done	116.16	Cum
								Qty Payable in this bill	116.16	Cum

Contractor Representative

Assistant Engineer
Ward No 17
BBMP

SAPIENCE CONSULTANTS BANGALORE

Consultant Representative

Asst. Executive Engineer
Yeshwanthpura Sub-Division
BBMP

Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanag...

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name Of Work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Measurement Sheet

2nd And Part Bill

Item No: 4 — 28/02/2021

Item Name: Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200, including cost of materials, labour, HOM complete as per specifications.Wall & bottom thickness 15cm Complete as per the direction of Engineer in charge with all lead and lift

SLNO	CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Vent Portion									
	New Drain									
	8th Cross Road Brudanavana nagar LHS									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	90.00	91.00	1	1.00	0.90	0.90	0.90	0.15	0.14	
	97.00	123.80	1	26.80	0.90	0.90	0.90	0.15	3.62	
	129.10	151.80	1	22.70	0.90	0.90	0.90	0.15	3.06	
	158.20	181.00	1	22.80	0.90	0.90	0.90	0.15	3.08	
	188.00	218.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	225.00	242.80	1	17.80	0.90	0.90	0.90	0.15	2.40	
	247.00	261.50	1	14.50	0.90	0.90	0.90	0.15	1.96	
	267.00	297.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	297.00	308.60	1	11.60	0.90	0.90	0.90	0.15	1.57	
	315.50	345.50	1	30.00	0.90	0.90	0.90	0.15	4.05	
	345.50	347.60	1	2.10	0.90	0.90	0.90	0.15	0.28	
	355.70	385.70	1	30.00	0.90	0.90	0.90	0.15	4.05	
	385.70	387.00	1	1.30	0.90	0.90	0.90	0.15	0.18	
	395.00	404.00	1	9.00	0.90	0.90	0.90	0.15	1.22	
	8th Cross Road Brudanavana nagar RHS									
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	96.00	118.10	1	22.10	0.90	0.90	0.90	0.15	2.98	
	123.80	153.80	1	30.00	0.90	0.90	0.90	0.15	4.05	
	153.80	158.20	1	4.40	0.90	0.90	0.90	0.15	0.59	
	158.20	188.20	1	30.00	0.90	0.90	0.90	0.15	4.05	
	188.20	201.00	1	12.80	0.90	0.90	0.90	0.15	1.73	
	209.00	239.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	239.00	261.50	1	22.50	0.90	0.90	0.90	0.15	3.04	
	267.00	297.00	1	30.00	0.90	0.90	0.90	0.15	4.05	
	297.00	308.60	1	11.60	0.90	0.90	0.90	0.15	1.57	

Scanned with CamScanner

	315.50	345.50	1	30.00	0.90	0.90	0.90	0.15	4.05			
	345.50	347.60	1	2.10	0.90	0.90	0.90	0.15	0.28			
	355.70	385.70	1	30.00	0.90	0.90	0.90	0.15	4.05			
	385.70	404.60	1	18.90	0.90	0.90	0.90	0.15	2.55			
	Wall											
	8th Cross Road Brudanavana nagar LHS											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.90	8.10			
	30.00	60.00	2	30.00	0.15	0.15	0.15	0.90	8.10			
	60.00	90.00	2	30.00	0.15	0.15	0.15	0.90	8.10			
	90.00	91.00	2	1.00	0.15	0.15	0.15	0.90	0.27			
	97.00	123.80	2	26.80	0.15	0.15	0.15	0.90	7.24			
	129.10	151.80	2	22.70	0.15	0.15	0.15	0.90	6.13			
	158.20	181.00	2	22.80	0.15	0.15	0.15	0.90	6.16			
	188.00	218.00	2	30.00	0.15	0.15	0.15	0.90	8.10			
	225.00	242.80	2	17.80	0.15	0.15	0.15	0.90	4.81			
	247.00	261.50	2	14.50	0.15	0.15	0.15	0.90	3.92			
	267.00	297.00	2	30.00	0.15	0.15	0.15	0.90	8.10			
	297.00	308.60	2	11.60	0.15	0.15	0.15	0.90	3.13			
	315.50	345.50	2	30.00	0.15	0.15	0.15	0.90	8.10			
	345.50	347.60	2	2.10	0.15	0.15	0.15	0.90	0.57			
	355.70	385.70	2	30.00	0.15	0.15	0.15	0.90	8.10			
	385.70	387.00	2	1.30	0.15	0.15	0.15	0.90	0.35			
	395.00	404.00	2	9.00	0.15	0.15	0.15	0.90	2.43			
	8th Cross Road Brudanavana nagar RHS											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.90	8.10			
	30.00	60.00	2	30.00	0.15	0.15	0.15	0.90	8.10			
	60.00	90.00	2	30.00	0.15	0.15	0.15	0.90	8.10			
	96.00	118.10	2	22.10	0.15	0.15	0.15	0.90	5.97			
	123.80	153.80	2	30.00	0.15	0.15	0.15	0.90	8.10			
	153.80	158.20	2	4.40	0.15	0.15	0.15	0.90	1.19			
	158.20	188.20	2	30.00	0.15	0.15	0.15	0.90	8.10			
	188.20	201.00	2	12.80	0.15	0.15	0.15	0.90	3.46			
	209.00	239.00	2	30.00	0.15	0.15	0.15	0.90	8.10			
	239.00	261.50	2	22.50	0.15	0.15	0.15	0.90	6.08			
	267.00	297.00	2	30.00	0.15	0.15	0.15	0.90	8.10			
	297.00	308.60	2	11.60	0.15	0.15	0.15	0.90	3.13			
	315.50	345.50	2	30.00	0.15	0.15	0.15	0.90	8.10			
	345.50	347.60	2	2.10	0.15	0.15	0.15	0.90	0.57			
	355.70	385.70	2	30.00	0.15	0.15	0.15	0.90	8.10			
	385.70	404.60	2	18.90	0.15	0.15	0.15	0.90	5.10			
								Total Qty Work Done	285.12	Cum		
								Qty Payable in this bill	285.12	Cum		

Contractor Representative

Assistant Engineer
Ward No 17
BBMP

SAPIENCE CONSULTANTS BANGALORE

Consultant Representative

Asst.Executive Engineer
Yashwanthapura Sub-Division
BBMP

Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name Of Work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Item No : 6 ✓ 09/01/2021

Item Name : Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. Complete as per the direction of Engineer in charge with all lead and lift

Pre measurement of Steel

Sl no	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Remarks
					Drain					
1	10	1	125mm C/C	2915	2.40	6996.48	Main Bar	0.617	4318.81	
2	8	1	125mm C/C	19	364.40	6996.48	Distrubuation	0.395	2764.04	
1	10	1	125mm C/C	2717	2.40	6520.32	Main Bar	0.617	4024.89	
2	8	1	125mm C/C	19	339.60	6520.32	Distrubuation	0.395	2575.93	
							Total Quantity of Steel in Kg's		13683.7 ✓	kgs
							Total Quantity of Steel in Tonne's		13.68 ✓	Tonnes
							Total Quantity of Steel Payable in Nos But in Tonne's		13.68 ✓	Tonnes

Contractor Representative

09/01/2021

Assistant Engineer
Ward No 17

SAPIENCE CONSULTANTS BANGALORE

Consultant Representative

09/01/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

Asst. Executive Engineer
Yeshwanthapura Sub Division
Bruhat Bangalore Mahanagara Palike

Scanned with CamScanner